

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 (currently amended): High strength hot rolled steel sheet excellent in burring, elongation, and ability of phosphate coating characterized by being a steel composition containing, by mass%, C: 0.02 to 0.08%, Si: 0.25% or less, Mn: 0.50 to 3.50%, P: 0.03% or less, S: 0.01% or less, Al: ~~0.15~~ 0.40 to 2.0%, Ti: 0.003 to 0.20%, and the balance of iron and unavoidable impurities, satisfying the following formula (1),

the steel sheet being hot-rolled at a rolling end temperature of the Ar₃ point or more, then cooled by a cooling rate of 20°C/sec or more to 650 to 800°C, then air-cooled for 2 to 15 seconds, then further cooled by a cooling rate of 20°C/sec or more to 350 to 600°C and coiled;

and the steel sheet having a microstructure of said steel sheet consisting essentially of a two phase structure of ferrite, having a grain diameter of 2 μm or more, and bainite,

and having a ratio of ferrite of a grain size of 2 μm or more of at least 40%,

and having precipitations of TiC and with a tensile strength of at least 590

N/mm²:

and having a hole expandability ratio of 62% or higher,

$Mn + 0.5 \times Al < 4$ (1).

2 (previously presented): High strength hot rolled steel sheet excellent in burring, elongation, and ability of phosphate coating characterized by having a tensile strength of at least 590 N/mm^2 as set forth in claim 1, further containing, by mass%, one or two or more of Nb: 0.003% to 0.04%, V: 0.003% to 0.20%, Ca: 0.0005 to 0.01%, Zr: 0.0005 to 0.01%, REM: 0.0005 to 0.05%, and Mg: 0.0005 to 0.01%.

3 (previously presented): High strength hot rolled steel sheet excellent in burring, elongation, and ability of phosphate coating characterized by having a tensile strength of at least 590 N/mm^2 as set forth in claim 1 or 2, characterized by satisfying $0.3 \times \text{Al} + \text{Si} - 2 \times \text{Mn} \geq -4 \dots (2)$.

Claims 4 to 6: (canceled).